Distributed by:

JAMECO® ELECTRONICS

www.Jameco.com ✦ 1-800-831-4242

The content and copyrights of the attached material are the property of its owner.

RELIABILITY PREDICTION

Model : QP-100 Data:2002-10-16

Style	Part Type	Q'ty	λg	πQ	λeg	%
9.1	Resistor-Film, Insulated (RL)	10	0.003700	10	0.370000	5.176
9.1	Resistor-Film, Chip (RM)	63	0.003700	10	2.331000	32.611
9.1	Resistor-Wirewound Power (RW)	2	0.008500	10	0.170000	2.378
9.1	Resistor-Film, Variable (RVC)	2	0.040000	10	0.800000	11.192
9.1	Resistor-Thermistor (RTH)	1	0.001400	10	0.014000	0.196
10.1	Capacitor-Metal, Plastic (CH)	8	0.000510	10	0.040800	0.571
10.1	Capacitor-Ceramic(Gen.) (CK)	15	0.001700	10	0.255000	3.567
10.1	Capacitor-Ceramic chip (CDR)	18	0.003500	10	0.630000	8.814
10.1	Capacitor-Aluminum Dry (CE)	13	0.001300	10	0.169000	2.364
6.1	Diode-Gen. Purpose Analog	3	0.003600	8	0.086400	1.209
6.1	Diode-Switching	15	0.000940	8	0.112800	1.578
6.1	Diode-Fast Recovery Power Rectifier	4	0.023000	8	0.736000	10.297
6.1	Diode-Power Rectifier / Schottky Power	8	0.002800	8	0.179200	2.507
6.1	Diode-Voltage Ref/Reg. (Avalanche & Zener)	3	0.003300	8	0.079200	1.108
6.1	Diode-Transient Suppressor/Varistor	1	0.002900	8	0.023200	0.325
6.10	Diode-Thyristor/SCR	1	0.002500	8	0.020000	0.280
6.3	Transistor-NPN/PNP	3	0.000150	8	0.003600	0.050
6.4	Transistor-MOSFET	2	0.014000	8	0.224000	3.134
6.11	OPTO-isolator	2	0.027000	8	0.432000	6.044
6.11	OPTO-Emitter	1	0.000470	8	0.003760	0.053
5.1	Linear Microcircuits	4	0.009500	10	0.380000	5.316
11.1	Transformer Switching	1	0.000610	3	0.001830	0.026
11.2	Coil Fixed inductor or choke	7	0.000032	3	0.000672	0.009
17.1	Single Connections-Reflow solder	452	0.000069	1	0.031188	0.436
17.1	Fuses Clip-Clip Termination	2	0.000120	1	0.000240	0.003
22.1	Fuses	1	0.010000	1	0.010000	0.140
16.1	Plated Through Hole Circuit Boards	1	0.022000	2	0.044000	0.616
Total Failure rate:					7.147890	100%

- **Data Base: MIL-HDBK-217F ,Notice 2, Parts Count**
- **Env.: GB**

MTBF: 139901.43 **hrs**

Approved by: 研發部 91.10.16 王毓賓 . Compiled by: 研發部 91.10.16 許淑惠 .

A40-F009 89.01.03